























Jun 22, 2007

- 11:49pm Searched for denial of service attack protect fix - Viewed 4 results
- WindowsDevCenter.com -- Protect Yourself Against Denial-of-Se... - windowsdevcenter.com
 - http://www.securityfocus.com/archive/1/341034
 - Internet Security Systems - iss.net
 - WWW Security FAQ: Securing Against Denial of Service Attacks - w3.org
- 11:49pm Searched for denial of service attack post get - Viewed 1 result
- Amazon.com: Internet Denial of Service: Attack and Defense ... - amazon.com
- 11:43pm Searched for denial of service attack post get - Viewed 1 result
- GRC | The Attacks on GRC.COM - grc.com
- 11:43pm Searched for http post get denial of service\
- 11:42pm Searched for http post get denial of service\ - Viewed 2 results
- Invasion of the Computer Snatchers - washingtonpost.com - washingtonpost.com
 - Orenosv HTTP/FTP Server Denial Of Service - uni-stuttgart.de
- 11:41pm Searched for http post get denial of service\ - Viewed 2 results
- Sami HTTP Server Denial of Service Vulnerabilities -... - secunia.com
 - HTTP SERVER (httpsv) 1.6.2 (GET 404) Remote Denial of... - securitynewsportal.com
- 11:41pm Searched for http post get denial of service\ - Viewed 2 results
- Network Security Audits / Vulnerability Assessments by... - securityspace.com
 - SecurityFocus - securityfocus.com - See 1 more page
- 11:34pm Searched for http post get denial of service\ - Viewed 5 results
- URIs, Addressability, and the use of HTTP GET and POST - w3.org
 - Crypto-Gram: April 15, 2003 - schneier.com
 - Specially-Malformed GET Requests Can Create a Denial... - microsoft.com
 - Http Server (httpsv) 1.6.2 (get 404) Remote Denial Of... - governmentsecurity.org
 - Defending Against an Internet-based Attack on the Physical World - avirubin.com
- 11:33pm Searched for http post get dos

Jun 22, 2007 (cont.)

- 11:24pm Searched for denial of service attack ip address zero length -  Viewed 4 results
-  System and method for addressing denial of service virus... - freepatentsonline.com - Viewed 4 t
 -  Method and apparatus for cryptographic protection from... - patentstorm.us
 -  The LAND attack (IP DOS) - insecure.org
 -  Defending against Denial of Service attacks using Secure... - asu.edu
- 11:14pm Searched for allow only get or post commands to protect against denial of service attacks -  Viewer
-  ONLamp.com -- Preventing Denial of Service Attacks - onlamp.com
 -  Denial of Service Attacks - DDOS, SMURF, FRAGGLE, TRINOO... - infosyssec.org
- 10:57pm Searched for denial of service attack lockout -  Viewed 2 results
-  Configuring Account Lockout - 207.46.196.114
 -  [Denial of Service] Threat Classification - Web Application ... - webappsec.org
- 10:52pm Searched for denial of service attack lockout -  Viewed 6 results
-  frontline: hackers: who are hackers: a hacker's tools... - pbs.org
 -  MITIGATING THE EFFECTS OF DENIAL OF SERVICE ATTACKS ON... - apan.net
 -  CERT/CC Denial of Service - packetstormsecurity.org
 -  OWASP Guide to Building Secure Web Applications and Web... - techtarget.com
 -  Denial of Service Attacks: Methods, Tools, and Defenses - bg.ac.yu
 -  Internet Security News: [ISN] Preventing Syslog Denial... - landfield.com
- 10:45pm Searched for denial of service attack lockout -  Viewed 3 results
-  CERT/CC Denial of Service - cert.org
 -  A Corsaire White Paper: Application Denial of Service... - corsaire.com
 -  Application Denial of Service - OWASP - owasp.org
- 10:45pm Searched for denial of service attack lockou
- 6:12pm Searched for returns a 200 OK message if link is invalid
- 6:11pm  HTTP Error Messages | Website Repairs - websiterepairs.net

Jun 22, 2007 (cont.)

- 6:11pm Searched for returns a 200 OK message if link is invalid - Viewed 1 result
<http://www.websiterepairs.net/httperrormessages.php>
- 6:08pm Searched for returns a 200 OK message if link is invalid - Viewed 2 results
[RESTful Error Handling - O'Reilly ONLamp Blog - oreillynet.com](#)
[Hardening HTAccess, Part Two - securityfocus.com](#)
- 6:07pm Searched for "soft 404" "200 ok" - Viewed 2 results
 <http://www.highdots.com/forums/javascript/soft-404-a-208745.html>
 <http://prog.nntp.drupal.ro/node/37253>
- 6:06pm Searched for "soft 404" "200 ok" - Viewed 4 results
 <http://www.webmasterkb.com/Uwe/Forums.aspx/javascript/200703/1>
 <http://www.spyfu.com/Term.aspx?t=746698>
 <http://forums.searchenginewatch.com/showthread.php?t=3010>
 <http://www.tutorials-ke.com/JAVASCRIPT/Firefox-differences/>
- 6:05pm Searched for "soft 404" "200 ok" - Viewed 2 results
 <http://www.cgiphp.com/about9112.html>
 <http://www.thescripts.com/forum/post2460042-1.html>
- 6:04pm Searched for "soft 404" "200 ok" - Viewed 3 results
[Link rot - Wikipedia, the free encyclopedia - wikipedia.org](#)
http://groups.google.fm/group/comp.lang.javascript/browse_thr...
<http://www.megasolutions.net/javascript/soft-404-42477.aspx>
- 6:04pm Searched for "soft 404" denial of service - Viewed 1 result
<http://web.terru.org/web-wide-world/21.html>
- 6:03pm Searched for "soft 404" dos - Viewed 1 result
 <http://world.poreto.org/world-wide-web/19.html>
- 6:02pm Searched for "soft 404" dos - Viewed 1 result
 [How to Defeat Bad Web Robots With Apache - leekillough.com](#) - Viewed 2 times
- 6:02pm Searched for "soft 404"





















Jun 22, 2007 (cont.)

- 6:00pm Searched for "soft 404" - Viewed 4 results
- [Microsoft PowerPoint - lecture9.ppt](#) - stanford.edu - See 1 more page
 - http://www.dcc.uchile.cl/~ccastill/papers/castillo_05_practic...
 - <http://nlp.stanford.edu/IR-book/ppt/lecture19b-webchar.ppt>
 - [Information Networks](#) - helsinki.fi
- 6:00pm Searched for "soft 404" - Viewed 1 result
- [LAT Soft Page not found](#) - latsoft.us
- 5:58pm Searched for "soft 404" - Viewed 7 results
- <http://www.fathomseo.com/forum/post.asp?method=ReplyQuote&...>
 - google returning 200 ok header on 404 page - WebProWorld - webproworld.com
 - <http://forums.seochat.com/search-engine-optimization-28/404-p...>
 - [soft - definition of soft by the Free Online Dictionary....](#) - thefreedictionary.com
 - <http://forum.coms.ir/topic310801.html>
 - <http://gojomo.blogspot.com/2005/11/rookie-blunder-on-google-s...>
 - [Search Engines Strategies – Chicago December 10th –...](#) - seroundtable.com
- 5:57pm Searched for "soft 404" - Viewed 4 results
- [Site Structure for Crawability » Dan Zarrella](#) - danzarrella.com
 - [Practical Web Crawling Issues](#) - uchile.cl - See 1 more page
 - <http://www.zen-cart.com/forum/showthread.php?p=373074>
 - [Web Search results' ranking: PageRank, HITS and related work](#) - iitb.ac.in
- 5:54pm Searched for "soft 404" - Viewed 7 results
- [» Getting Crawled - Bizresearch - Search Marketing Blog](#) - bizresearch.com
 - <http://www.webmasterkb.com/Uwe/Forum.aspx/javascript/24989/so...>
 - <http://groups.google.com/group/comp.lang.javascript/msg/84f90...> - See 1 more page
 - http://groups.google.fm/group/comp.lang.javascript/browse_thr... - See 1 more page
 - [Web Archeology \(290G W03\): Possible Projects](#) - ucsc.edu
 - [Impact of Search Engine on Page popularity](#) - poly.edu
 - http://groups.google.com/group/Google_Webmaster_Help-Tools/br...
- 5:54pm <http://www.thescripts.com/forum/thread622351.html>

Jun 22, 2007 (cont.)

- 5:52pm Searched for "soft 404" - Viewed 3 results
- [HTTP 404 - Wikipedia, the free encyclopedia](#) - wikipedia.org
 - [Soft 404 Error](#) - webmasterworld.com
 - <http://www.thescripts.com/forum/thread622351.html>
- 5:51pm Searched for [denial of service attack soft-404](#) - Viewed 2 results
- [How to Defeat Bad Web Robots With Apache](#) - leekillough.com - Viewed 2 times
 - [Gojomo: Gordon Mohr's Weblog](#) - blogspot.com - See 1 more page
- 5:51pm Searched for [return ok for denial of service attack](#)
- 5:50pm Searched for ["denial of service" attacks return "200 ok"](#)
- 5:11pm Searched for [soft-404 pages](#) - Viewed 1 result
- [Web soup](#) - iki.fi
- 4:51pm Searched for ["denial of service" attacks return "200 ok"](#) - Viewed 2 results
- [Voice over IP: Unsafe at any Bandwidth?](#) - ethz.ch
 - [RFC 4437](#) - ietf.org
- 4:40pm Searched for ["denial of service" attacks return "200 ok"](#) - Viewed 4 results
- [draft-ietf-sipping-consent-framework-00 - A Framework...](#) - ietf.org
 - [The Internet Real-Time Laboratory](#) - columbia.edu
 - [SANS Institute - Malware FAQ: Microsoft Windows UPnP...](#) - sans.org
 - [PJPROJECT 0.5.7 Release Notes](#) - pjsip.org
- 4:36pm Searched for ["denial of service" attacks return "200 ok"](#) - Viewed 2 results
- [Proceedings of Extreme Markup Languages®](#) - idealliance.org
 - [XMLHttpRequest Caching Tests](#) - mnot.net
- 4:34pm Searched for ["denial of service" attacks return "200 ok"](#) - Viewed 3 results
- [Mailing list archives](#) - apache.org
 - [HTTP/1.1 200 OK Date: Tue, 09 Apr 2002 05:58:33 GMT Server:...](#) - potaroo.net
 - [Initial Interdomain Network Topology > Proposed Solution:...](#) - ciscopress.com

Jun 22, 2007 (cont.)

- 4:28pm Searched for "denial of service" attacks return "200 ok" -  Viewed 2 results
Assignment 5 CS176b Computer Networks Winter 2000 - ucsb.edu
Ignoring the Great Firewall of China - freehaven.net
- 4:26pm Searched for "denial of service" attacks return "200 ok" -  Viewed 1 result
PortSwigger.net - web application security - portswigger.net - Viewed 2 times
- 4:24pm Searched for "denial of service" attacks return "200 ok" -  Viewed 1 result
URLs - a service and not a hurdle - wellho.net
- 1:07pm Searched for denial of service attacks return 200 ok -  Viewed 4 results
 Network Working Group G. Clemm Internet-Draft IBM Updates: J ... - ietf.org
 HTTP/1.1 200 OK Date: Mon, 08 Apr 2002 23:52:51 GMT Server:... - potaroo.net
 Binding Extensions to Web Distributed Authoring and Versionin... - greenbytes.de
 Torture Testing Web Servers and CGI Scripts - The Perl... - foo.be
- 1:05pm Searched for 200 OK DOS attack -  Viewed 3 results
 System and method for addressing denial of service virus... - freepatentsonline.com - Viewed 4 t
 Fast Detection of Denial-of-Service Attacks on IP Telephony - yale.edu
 GRC | Attacks Against GRC.COM - grc.com
- 11:58am Searched for denial of service attacks return 200 ok
- 11:56am Searched for denial of service attacks return 200 ok -  Viewed 3 results
 Tunneling Thru Firewalls - erights.org
 PortSwigger.net - web application security - portswigger.net - Viewed 2 times
 SIPPING J. Rosenberg Internet-Draft dynamicsoft Expires:... - ietf.org
- 11:55am  Web Engineering, Jacek Kopecký - deri.at - Viewed 2 times
- 11:53am  SIP Working Group W. Marshall Internet Draft K. Ramakrishnan ... - softarmor.com
- 11:53am  Red Hat Security Advisory: Denial of service attack in syslogd - undp.org
- 11:52am  CGI - uwinnipeg.ca

Jun 22, 2007 (cont.)

- 11:52am Searched for denial of service attacks return 200 ok - Viewed 4 results
- <http://cpan.uwinnipeg.ca/htdocs/CGI.pm/CGI.html>
 - <http://www3.undp.org/rc/forums/tech/sdnptech/msg02451.html>
 - <http://www.softarmor.com/wgdb/docs/draft-dcsgroup-sip-call-au...>
 - http://www.deri.at/fileadmin/documents/webeng_0506/Class5.ppt - Viewed 2 times
- 11:52am Searched for denial of service attacks return 200 ok
- 11:52am Searched for return ok for error from denial of service
- 11:51am Searched for return ok for error from denial of service - Viewed 1 result
- [Is Your Exchange Server Relay-Secure?](#) - windowsitpro.com
- 11:47am Searched for return ok for error from denial of service - Viewed 6 results
- [Thinking About Error Cases](#) - microsoft.com
 - [mon.itor.us free network and website monitoring](#) - itor.us - See 1 more page
 - <http://blog.mon.itor.us/?cat=4>
 - [Avoiding Denial of Service via Stress Testing](#) - ieee.org
 - [JSONRequest](#) - json.org
 - [Requests for dynamic content return 404 error](#) - microsoft.com
- 11:47am [Protecting Denial Of Service Attacks | Linux Security And ...](#) - linux-tips.us

Jun 21, 2007

- 5:14pm Searched for denial of service and error message handling ok
- 5:08pm Searched for denial of service and error message handling ok - Viewed 3 results
- <http://www.faqs.org/rfcs/rfc2505.html>
 - [RN-06: Cisco BBSM 5.2 Service Pack 1 \(SP1\) with 2-way PMS ...](#) - cisco.com
 - [Internet Security \[1\]](#) - tuwien.ac.at
- 5:04pm Searched for denial of service and error message handling ok - Viewed 4 results
- [RFC 3767](#) - faqs.org - See 1 more page
 - [DoToS: Denial of \(Terms of\) Service - User Centered ...](#) - opera.com
 - <http://www3.ietf.org/proceedings/01dec/I-D/draft-ietf-sacred-...>
 - [Master Title Slide](#) - greenhouse.de
- 5:04pm [RE: TRP Error Handling Spec Draft](#) - ebxml.org
- 5:03pm [INTERNET-DRAFT Editor: Stephen Farrell expires in six months ...](#) - ietf.org - See 1 more page
- 5:01pm [Gardol Adaptive Denial of Service Attack Mitigation](#) - fourmilab.ch
- 5:01pm [Gattaca Server Multiple Input Validation Bugs](#) - governmentsecurity.org

PGPUB-DOCUMENT-NUMBER: 20060112089

PGPUB-FILING-TYPE: .

DOCUMENT-IDENTIFIER: US 20060112089 A1

TITLE: Methods and apparatus for assessing web page decay

PUBLICATION-DATE: May 25, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Broder; Andrei Zary	Bronx	NY	US
Bar-Yossef; Ziv	Ra'anana	CA	IL
Ravikumar; Shanmagasundaram	Cupertino	CA	US
Tomkins; Andrew	San Jose		US

US-CL-CURRENT: 707/4

ABSTRACT:

Systems and methods are herein disclosed for assessing the staleness of a web page. In particular, in one method of the present invention, the staleness of a web page is assessed by examining internal date references within the web page. In another method of the present invention, the staleness of a web page is assessed by examining the meta-data associated with the web page. In a further method of the present invention, the staleness of a hyperlinked web page is determined by examining the link status of the hyperlinks. If the web page has a relatively large number of dead links, it is assessed as being a stale web page. In a still further method of the present invention, the link status of web pages in the neighborhood of the web page being assessed is likewise examined.

----- KWIC -----

Description of Disclosure - DETX (27):

[0045] A dead web page is a page that is not publicly available over the web. A page can be dead for any of the following reasons: (1) its URL is malformed; (2) its host is down or non-existent; or (3) it does not exist on the host. The first two types of dead pages are easy to detect: the former fails URL parsing and the latter fails the resolution of the host address. When fetching pages that are not found on a host, the web server of the host is supposed to return an error; typically the error message returned is the 404 HTTP return code. However, it turns out that many web servers today do not return an error code even when they receive HTTP requests for non-existent pages. Instead, they return an OK code (200) and some substitute page; typically, this substitute is an error message page or the home-page of that host or even some completely unrelated page. Such non-existent pages that cause a server to issue the foregoing result are called "soft-404 pages".

See what i mean ↑ no one goes into detail
i've even searched 'soft-404' extensively